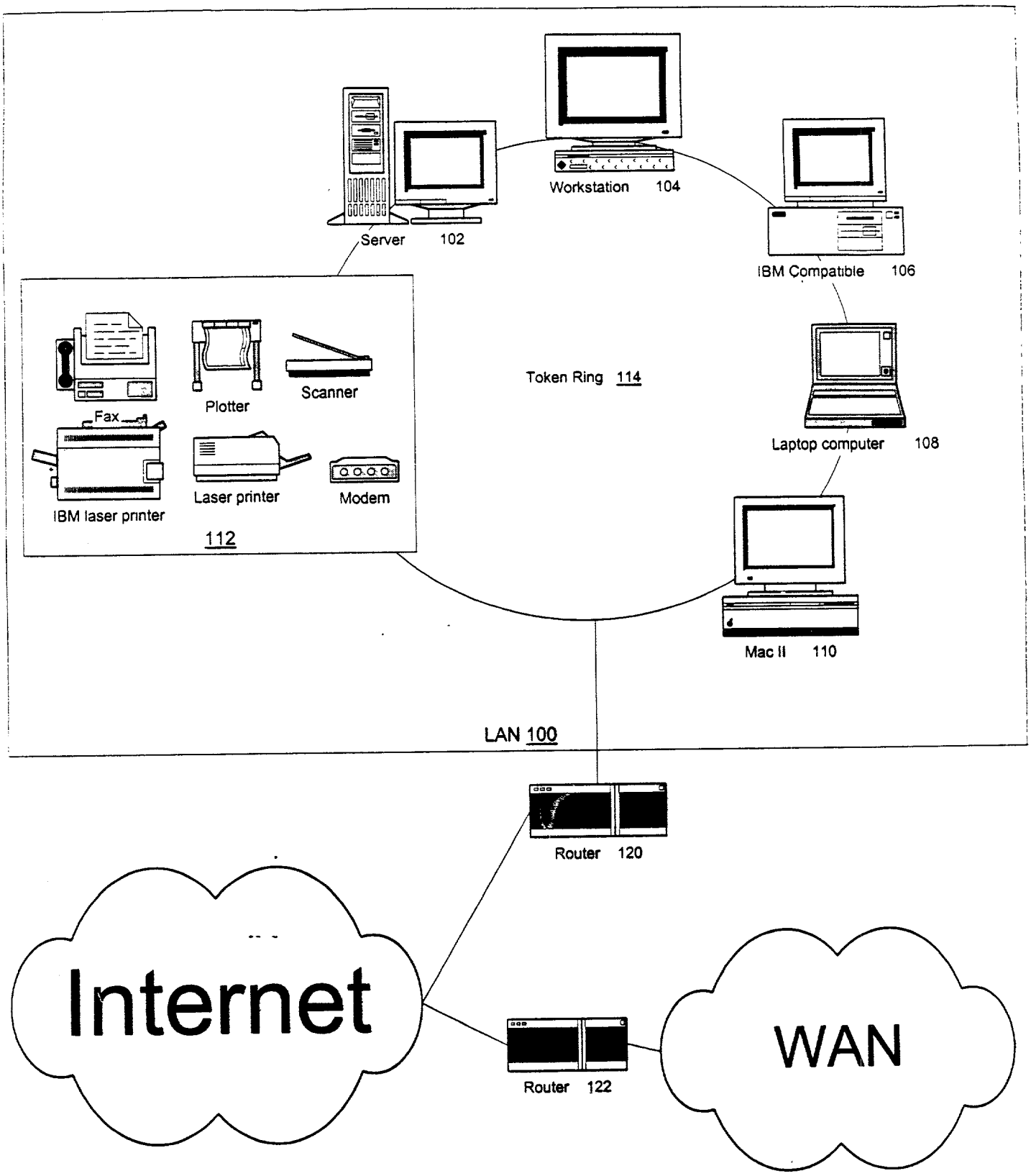
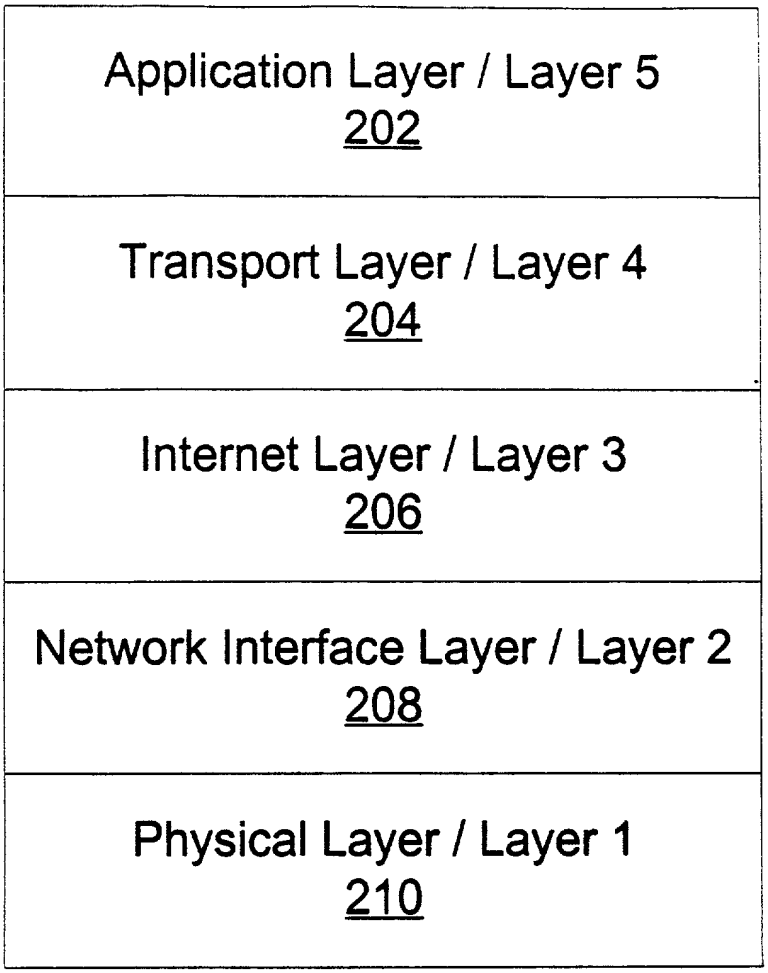

Server 102
Workstation 104
IBM Compatible 106
Laptop computer 108
Mac II 110
Token Ring 114
Fax
Plotter
Scanner
Laser printer
Modem
IBM laser printer
112
LAN 100
Router 120
Router 122
Internet
WAN

Fig. 1



TCP/IP Layering Model

Fig. 2

Fig. 3

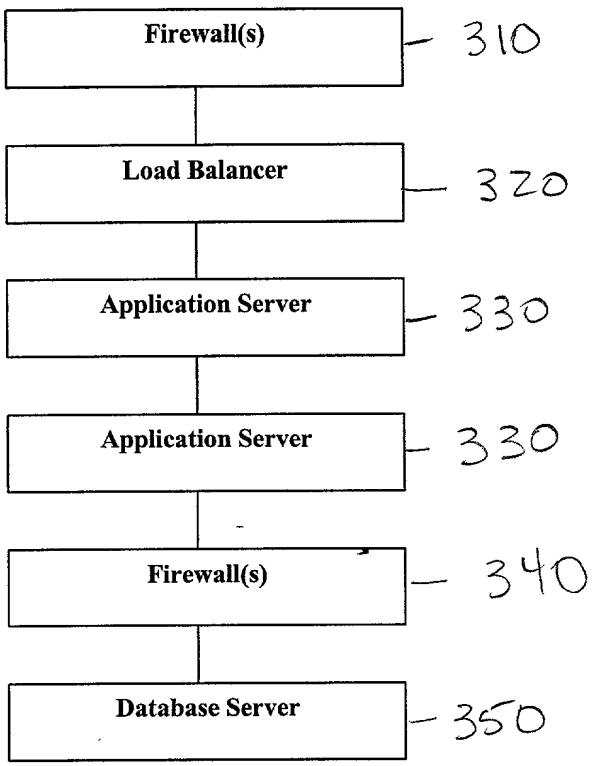

Firewall(s)
310
Load Balancer
320
Application Server
330
Application Server
330
Firewall(s)
340
Database Server
350

FIGURE 4

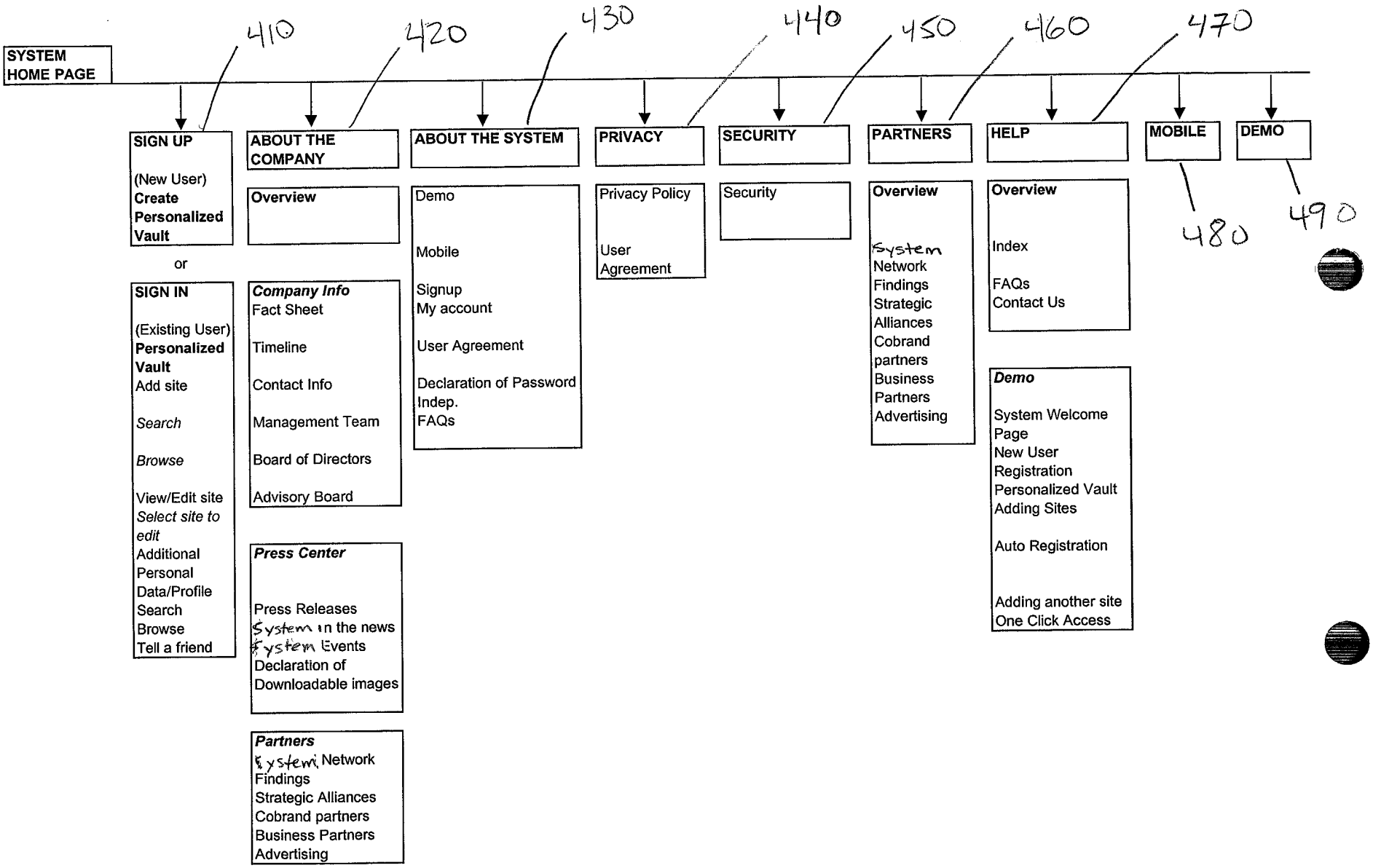

SYSTEM HOME PAGE
410
420
430
440
450
460
470
480
490
SIGN UP
(New User)
Create Personalized Vault
or
SIGN IN
(Existing User)
Personalized Vault
Add site
Search
Browse
View/Edit site
Select site to edit
Additional Personal Data/Profile
Search
Browse
Tell a friend
ABOUT THE COMPANY
Overview
Company Info
Fact Sheet
Timeline
Contact Info
Management Team
Board of Directors
Advisory Board
Press Center
Press Releases
System in the news
System Events
Declaration of
Downloadable images
Partners
System Network
Findings
Strategic Alliances
Cobrand partners
Business Partners
Advertising
ABOUT THE SYSTEM
Demo
Mobile
Signup
My account
User Agreement
Declaration of Password Indep.
FAQs
PRIVACY
Privacy Policy
User Agreement
SECURITY
Security
PARTNERS
Overview
System
Network
Findings
Strategic Alliances
Cobrand partners
Business Partners
Advertising
HELP
Overview
Index
FAQs
Contact Us
Demo
System Welcome Page
New User Registration
Personalized Vault
Adding Sites
Auto Registration
Adding another site
One Click Access
MOBILE
DEMO

Fig. 5

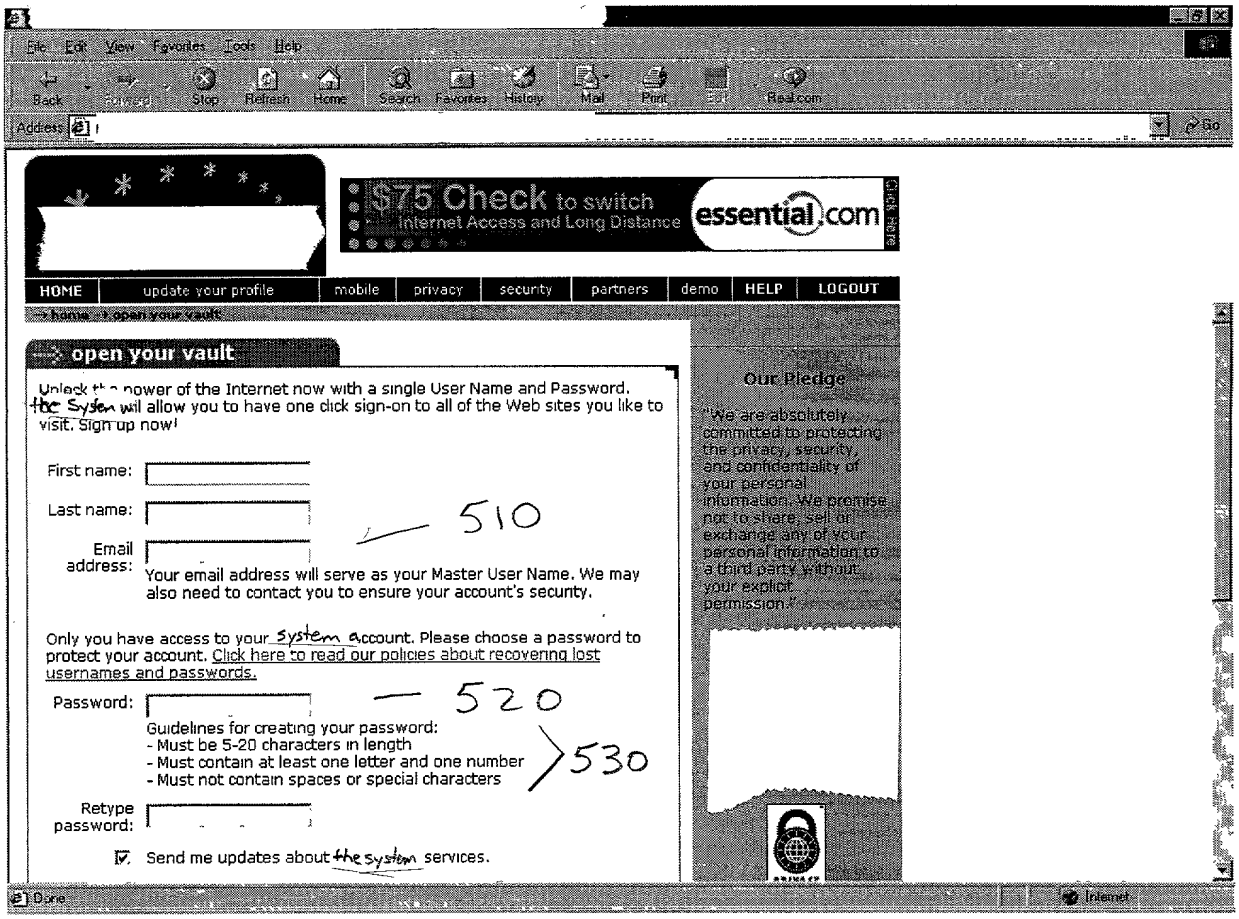

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit RealCom
Address
$75 Check to switch
Internet Access and Long Distance
essential.com
Click Here
HOME
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
-> home -> open your vault
open your vault
Unlock the power of the Internet now with a single User Name and Password. the System will allow you to have one click sign-on to all of the Web sites you like to visit. Sign up now!
First name:
Last name:
Email address:
510
Your email address will serve as your Master User Name. We may also need to contact you to ensure your account's security.
Only you have access to your System account. Please choose a password to protect your account. Click here to read our policies about recovering lost usernames and passwords.
Password:
520
Guidelines for creating your password:
- Must be 5-20 characters in length
- Must contain at least one letter and one number
- Must not contain spaces or special characters
530
Retype password:
Send me updates about the system services.
Our Pledge
"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."
Done
Internet

Fig. 6

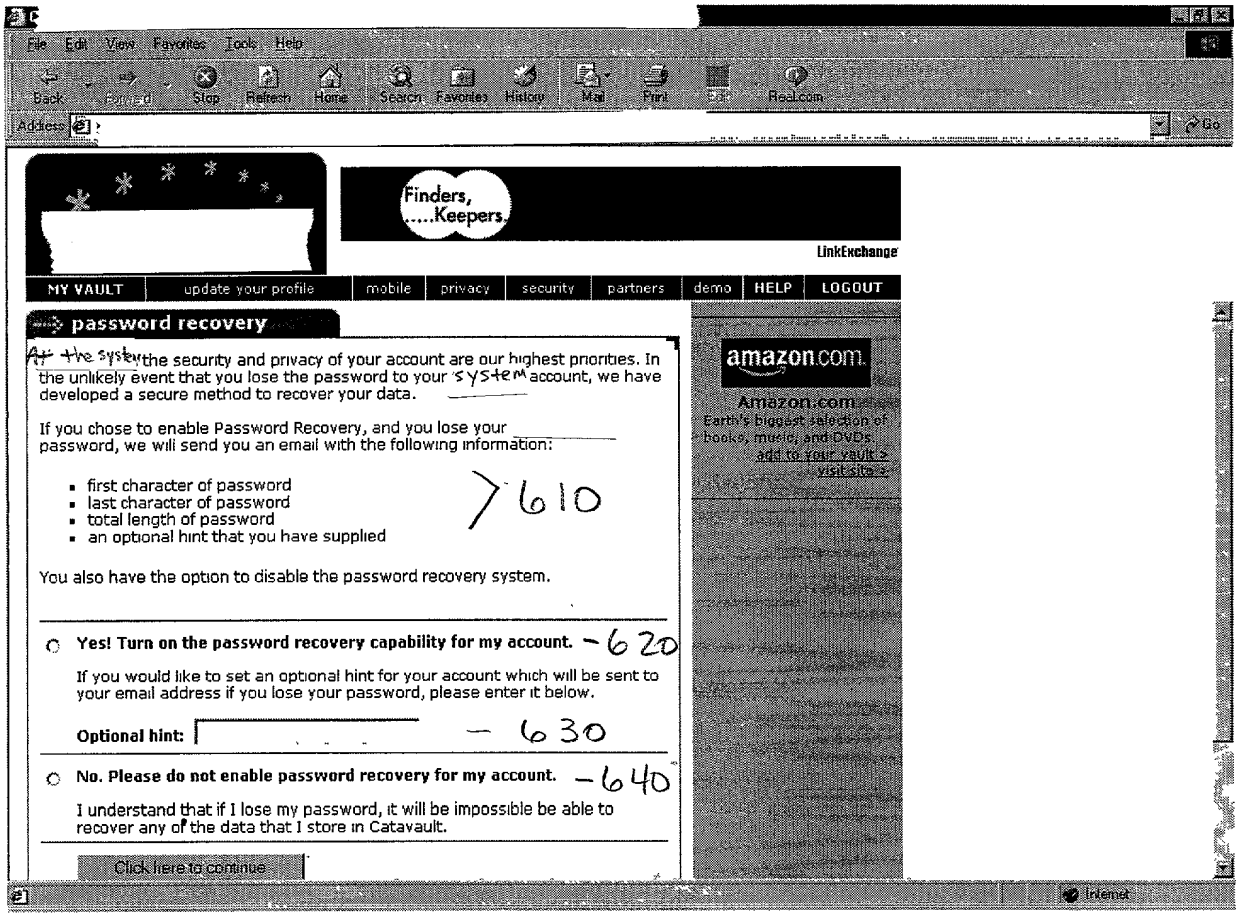

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit RealGuide
Address
Go
Finders, ...Keepers
LinkExchange
MY VAULT
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
password recovery
At the system the security and privacy of your account are our highest priorities. In the unlikely event that you lose the password to your system account, we have developed a secure method to recover your data.
If you chose to enable Password Recovery, and you lose your password, we will send you an email with the following information:
first character of password
last character of password
total length of password
an optional hint that you have supplied
610
You also have the option to disable the password recovery system.
Yes! Turn on the password recovery capability for my account. 620
If you would like to set an optional hint for your account which will be sent to your email address if you lose your password, please enter it below.
Optional hint: 630
No. Please do not enable password recovery for my account. 640
I understand that if I lose my password, it will be impossible be able to recover any of the data that I store in Catavault.
Click here to continue
amazon.com
Amazon.com
Earth's biggest selection of books, music, and DVDs.
add to your vault >
visit site >
Internet

Fig. 7

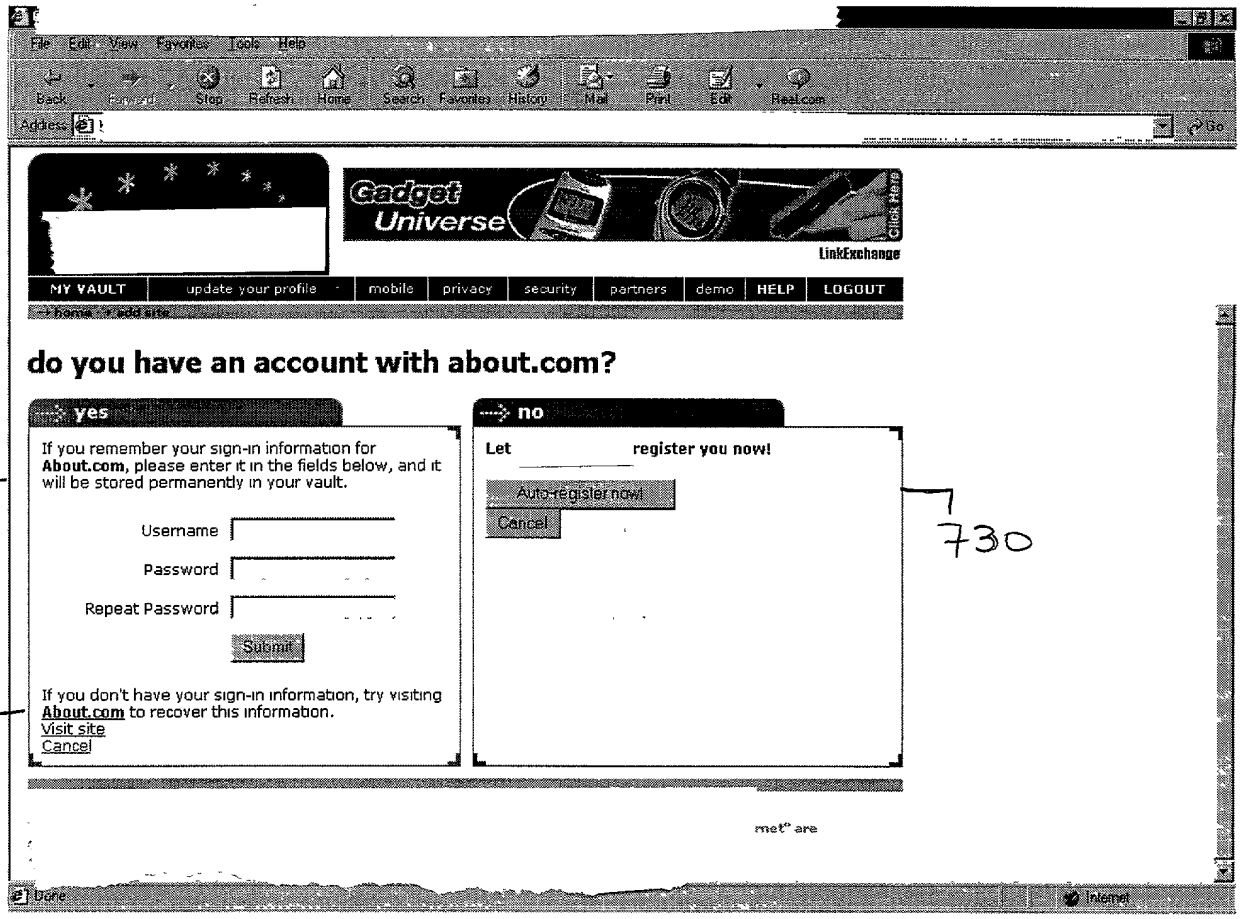

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com
Address
Go
Gadget Universe
Click Here
LinkExchange
MY VAULT
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
do you have an account with about.com?
yes
If you remember your sign-in information for About.com, please enter it in the fields below, and it will be stored permanently in your vault.
Username
Password
Repeat Password
Submit
If you don't have your sign-in information, try visiting About.com to recover this information.
Visit site
Cancel
no
Let register you now!
Auto-register now!
Cancel
710
720
730
Done
Internet

Fig. 8A

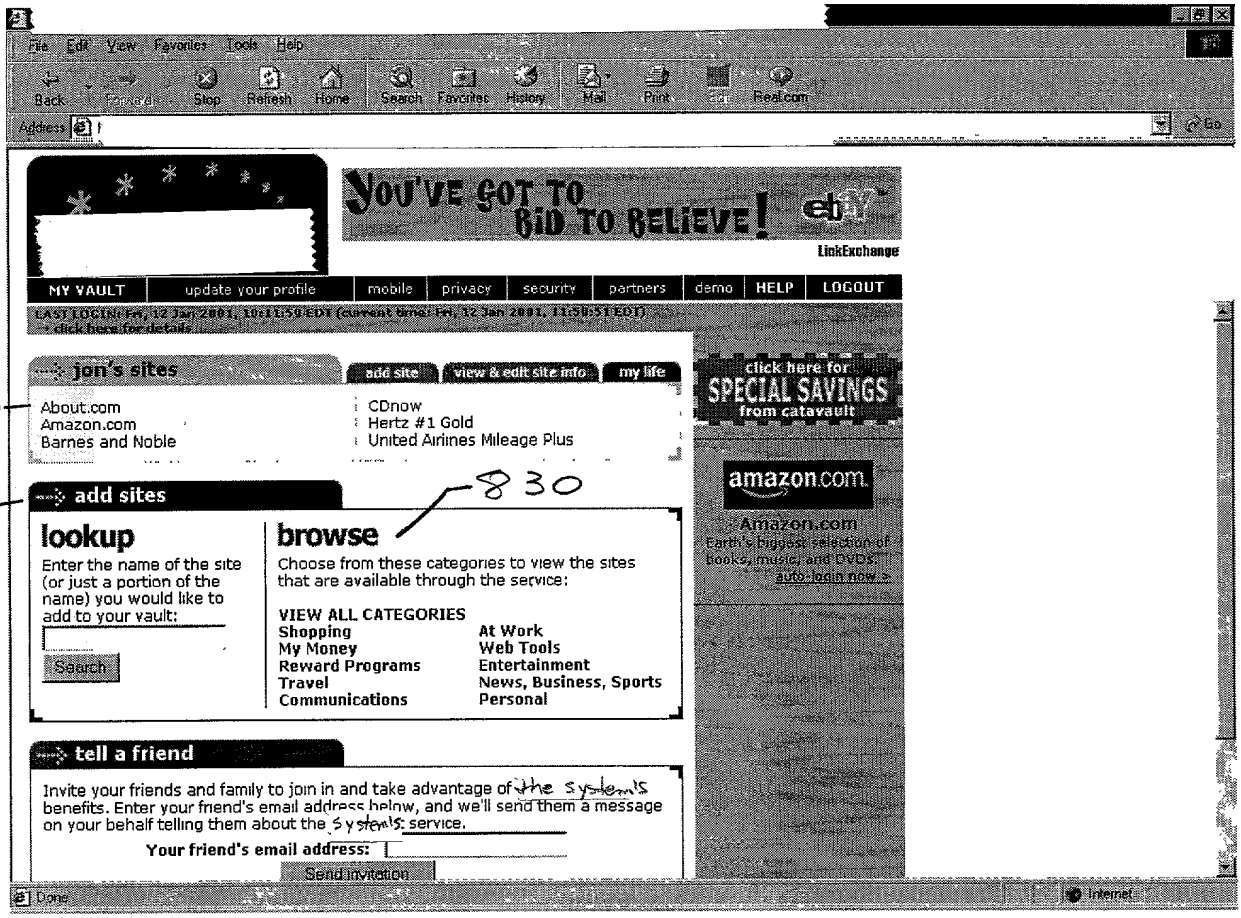
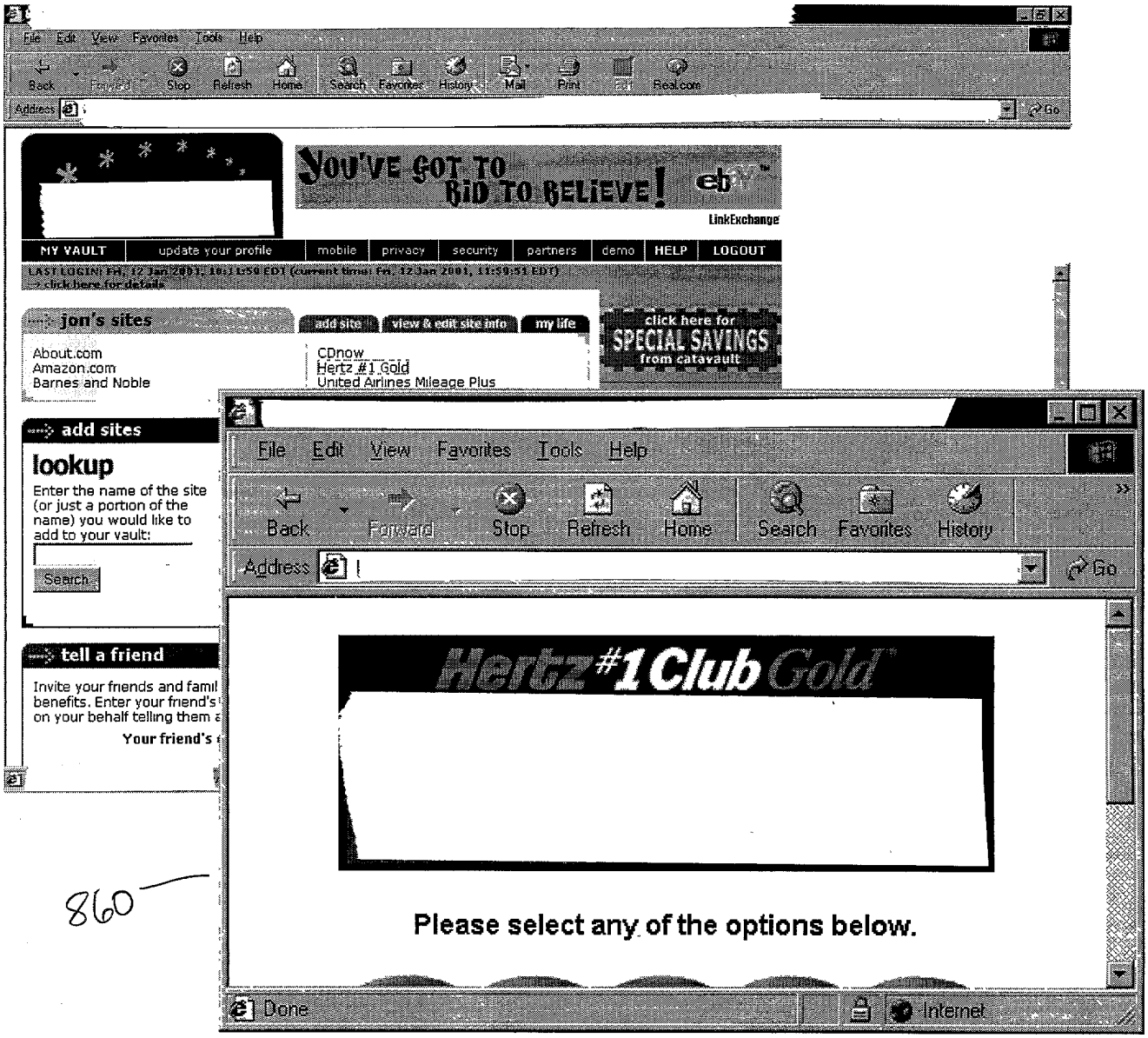

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit RealCom
Address
YOU'VE GOT TO BID TO BELIEVE!
ebay
LinkExchange
MY VAULT
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
LAST LOGIN: Fri, 12 Jan 2001, 10:11:50 EDT (current time: Fri, 12 Jan 2001, 11:58:51 EDT)
click here for details
jon's sites
add site
view & edit site info
my life
About.com
Amazon.com
Barnes and Noble
CDnow
Hertz #1 Gold
United Airlines Mileage Plus
click here for
SPECIAL SAVINGS
from catavault
amazon.com
Amazon.com
Earth's biggest selection of books, music, and DVDs.
auto-login now >
add sites
lookup
Enter the name of the site (or just a portion of the name) you would like to add to your vault:
Search
browse
Choose from these categories to view the sites that are available through the service:
VIEW ALL CATEGORIES
Shopping
My Money
Reward Programs
Travel
Communications
At Work
Web Tools
Entertainment
News, Business, Sports
Personal
tell a friend
Invite your friends and family to join in and take advantage of the system's benefits. Enter your friend's email address below, and we'll send them a message on your behalf telling them about the system's service.
Your friend's email address:
Send invitation
Done
Internet
810
820
830

Fig. 8B


File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit RealCom
Address
Go
YOU'VE GOT TO BID TO BELIEVE!
ebay
LinkExchange
MY VAULT
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
jon's sites
add sites
view & edit site info
my life
About.com
Amazon.com
Barnes and Noble
CDnow
Hertz #1 Gold
United Airlines Mileage Plus
click here for
SPECIAL SAVINGS
from catavault
add sites
lookup
Enter the name of the site (or just a portion of the name) you would like to add to your vault:
Search
tell a friend
Invite your friends and famil
benefits. Enter your friend's
on your behalf telling them
Your friend's
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History
Address
Go
Hertz #1 Club Gold
Please select any of the options below.
Done
Internet

860

Figure 8C

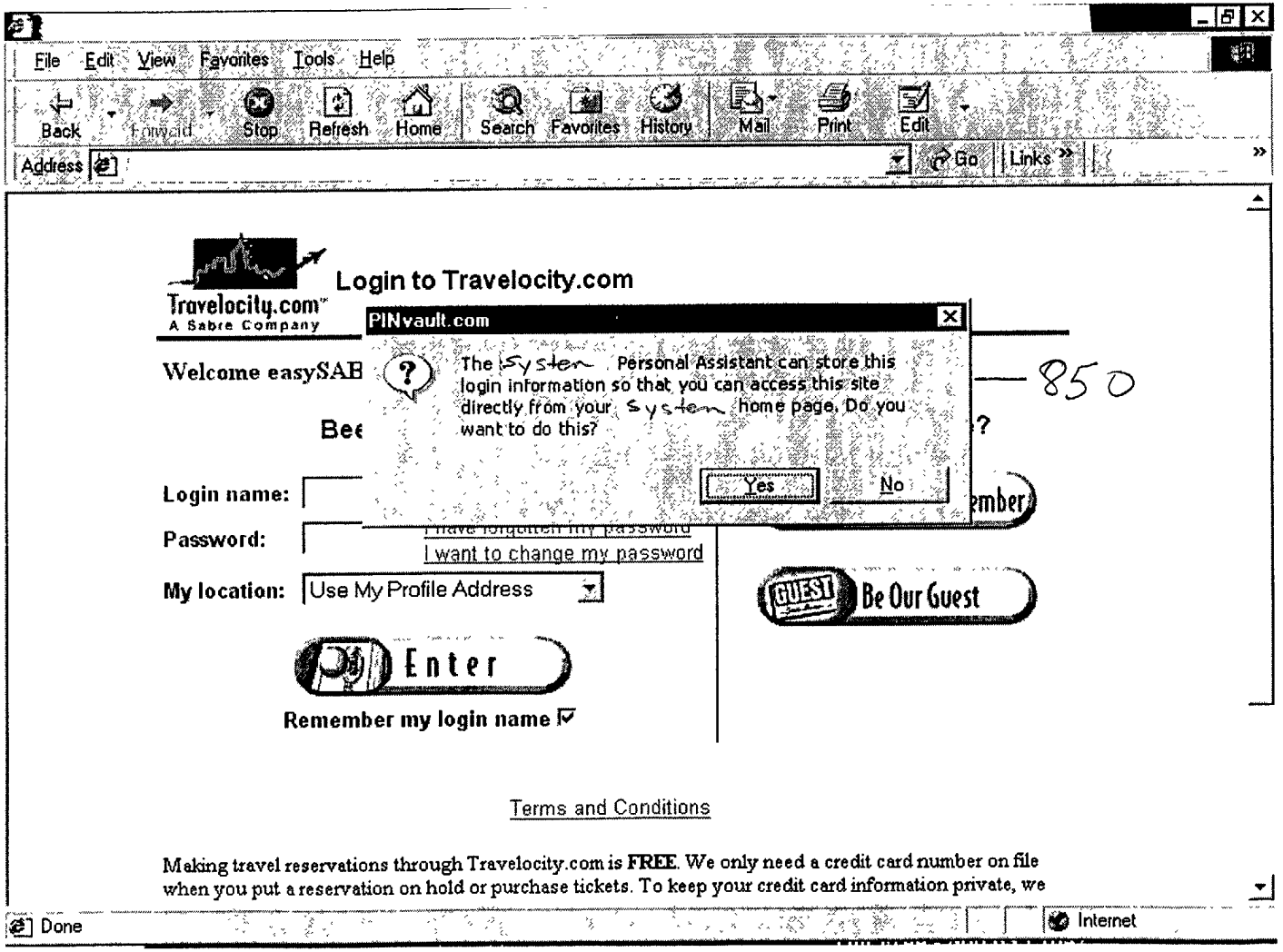
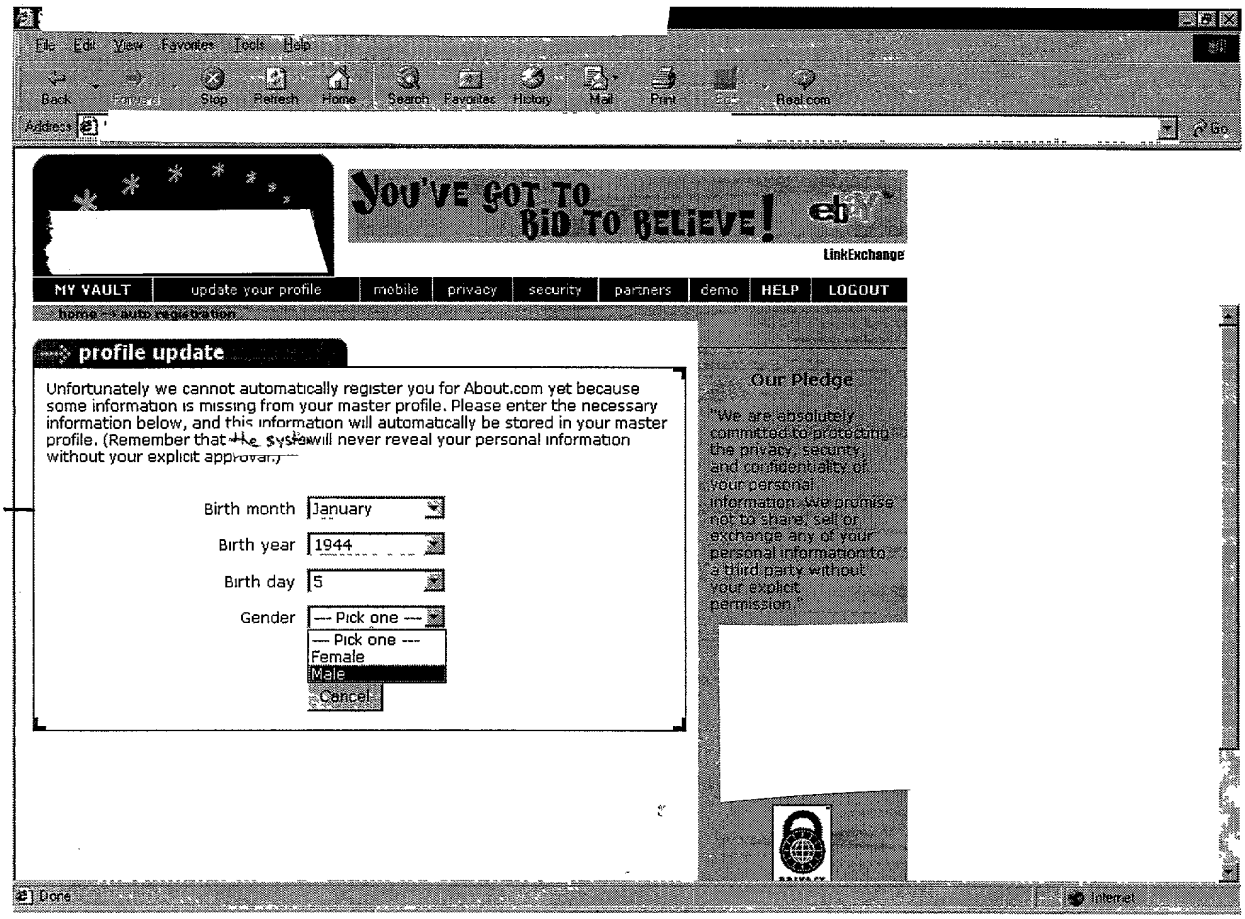
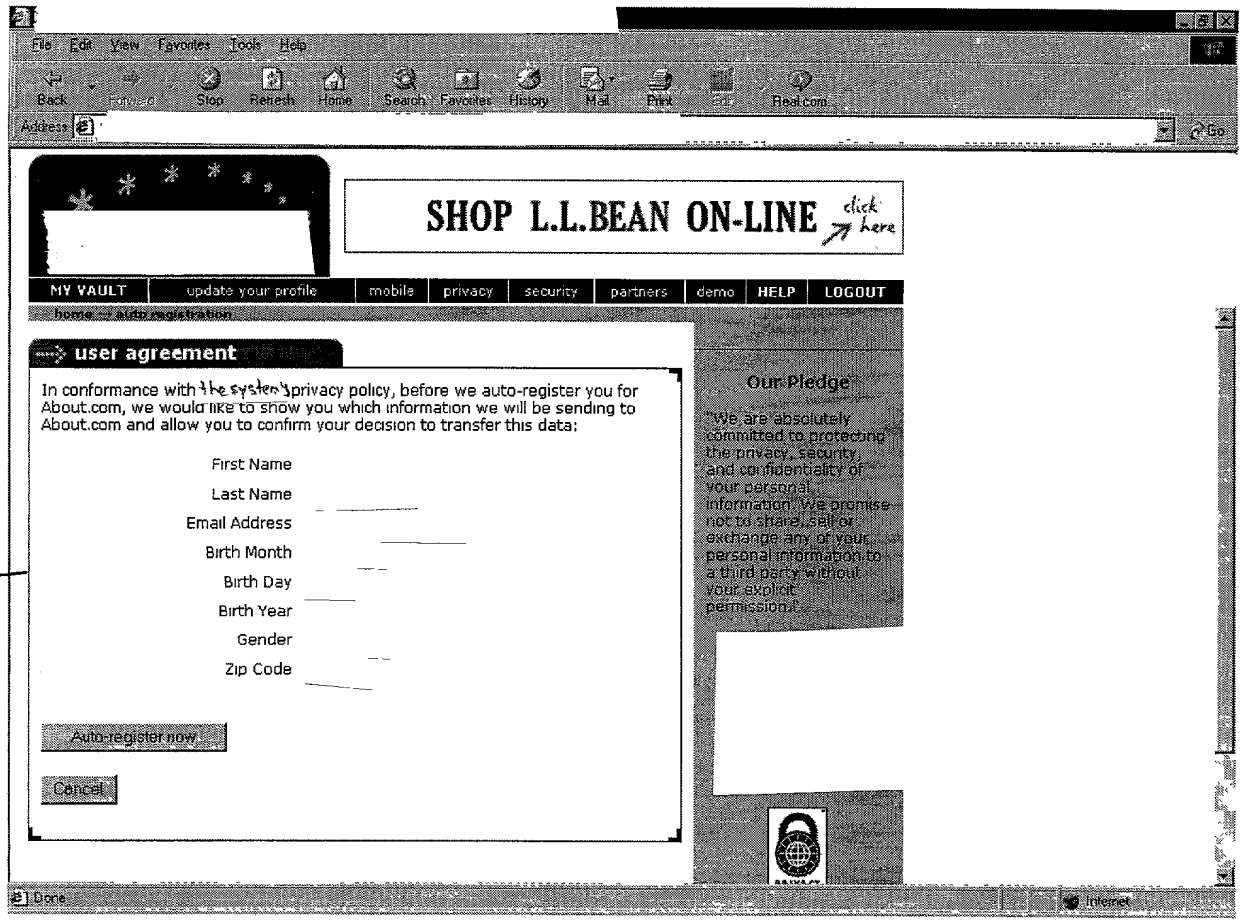

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit
Address
Go Links
Travelocity.com
A Sabre Company
Login to Travelocity.com
PINvault.com
The System Personal Assistant can store this login information so that you can access this site directly from your System home page. Do you want to do this?
Yes
No
850
Welcome easySAB
Login name:
Password:
I want to change my password
My location:
Use My Profile Address
Enter
Remember my login name
GUEST
Be Our Guest
Terms and Conditions
Making travel reservations through Travelocity.com is FREE. We only need a credit card number on file when you put a reservation on hold or purchase tickets. To keep your credit card information private, we
Done
Internet

Fig. 9A


File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Real.com
Address
You've got to bid to believe!
LinkExchange
MY VAULT
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
home >> auto registration
profile update
Unfortunately we cannot automatically register you for About.com yet because some information is missing from your master profile. Please enter the necessary information below, and this information will automatically be stored in your master profile. (Remember that the system will never reveal your personal information without your explicit approval.)
Birth month
January
Birth year
1944
Birth day
5
Gender
--- Pick one ---
--- Pick one ---
Female
Male
Cancel
Our Pledge
"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."
Done
Internet

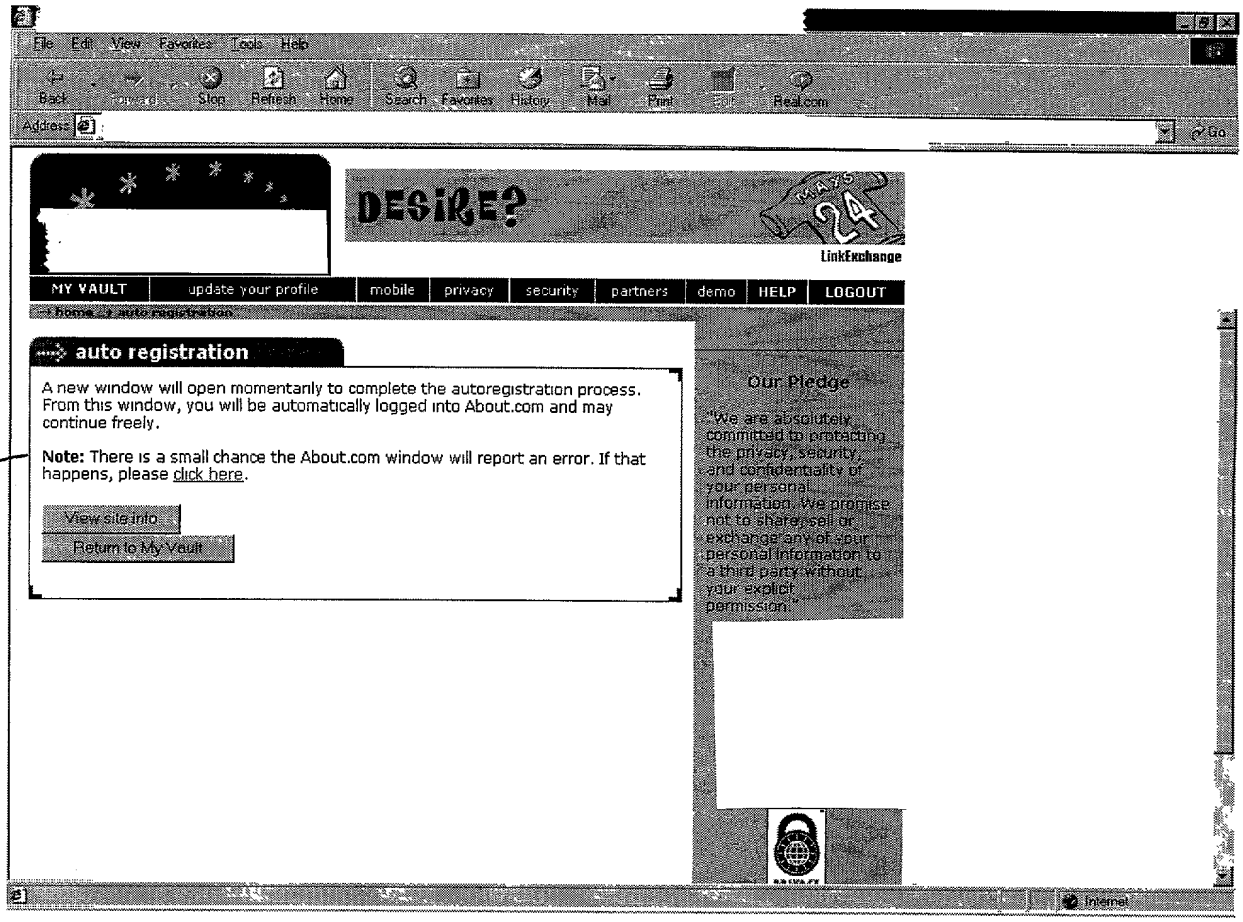
910

Fig. 9B


File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com
Address
Go
SHOP L.L.BEAN ON-LINE
click here
MY VAULT
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
home :: auto registration
user agreement
In conformance with the system's privacy policy, before we auto-register you for About.com, we would like to show you which information we will be sending to About.com and allow you to confirm your decision to transfer this data:
First Name
Last Name
Email Address
Birth Month
Birth Day
Birth Year
Gender
Zip Code
Auto-register now
Cancel
Our Pledge
"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."
Done
Internet

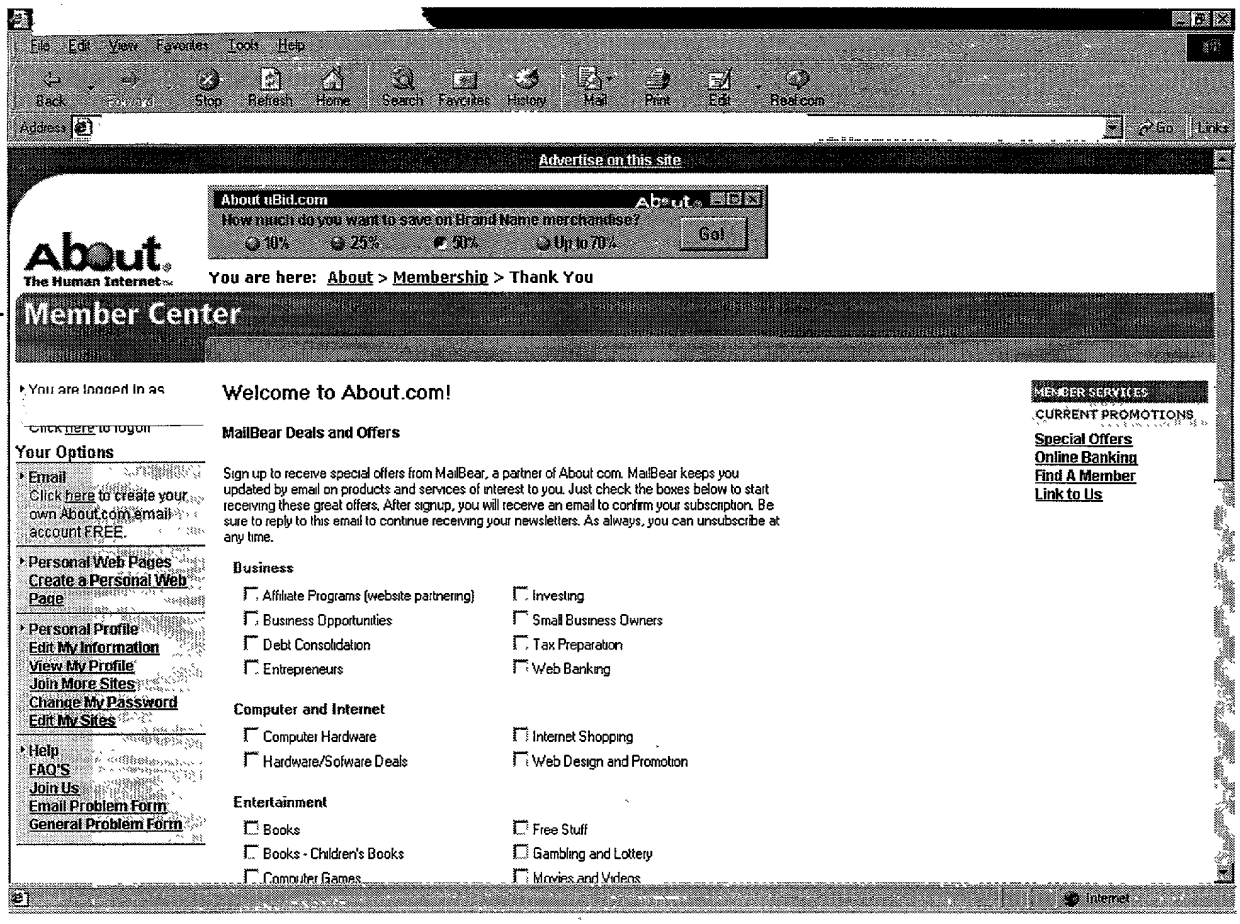
6920

Fig. 9C


File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com
Address
Go
DESIRE?
LinkExchange
MY VAULT
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
auto registration
A new window will open momentarily to complete the autoregistration process. From this window, you will be automatically logged into About.com and may continue freely.
Note: There is a small chance the About.com window will report an error. If that happens, please click here.
View site info
Return to My Vault
Our Pledge
"We are absolutely committed to protecting the privacy, security, and confidentiality of your personal information. We promise not to share, sell or exchange any of your personal information to a third party without your explicit permission."
Internet

930

Fig. 9D

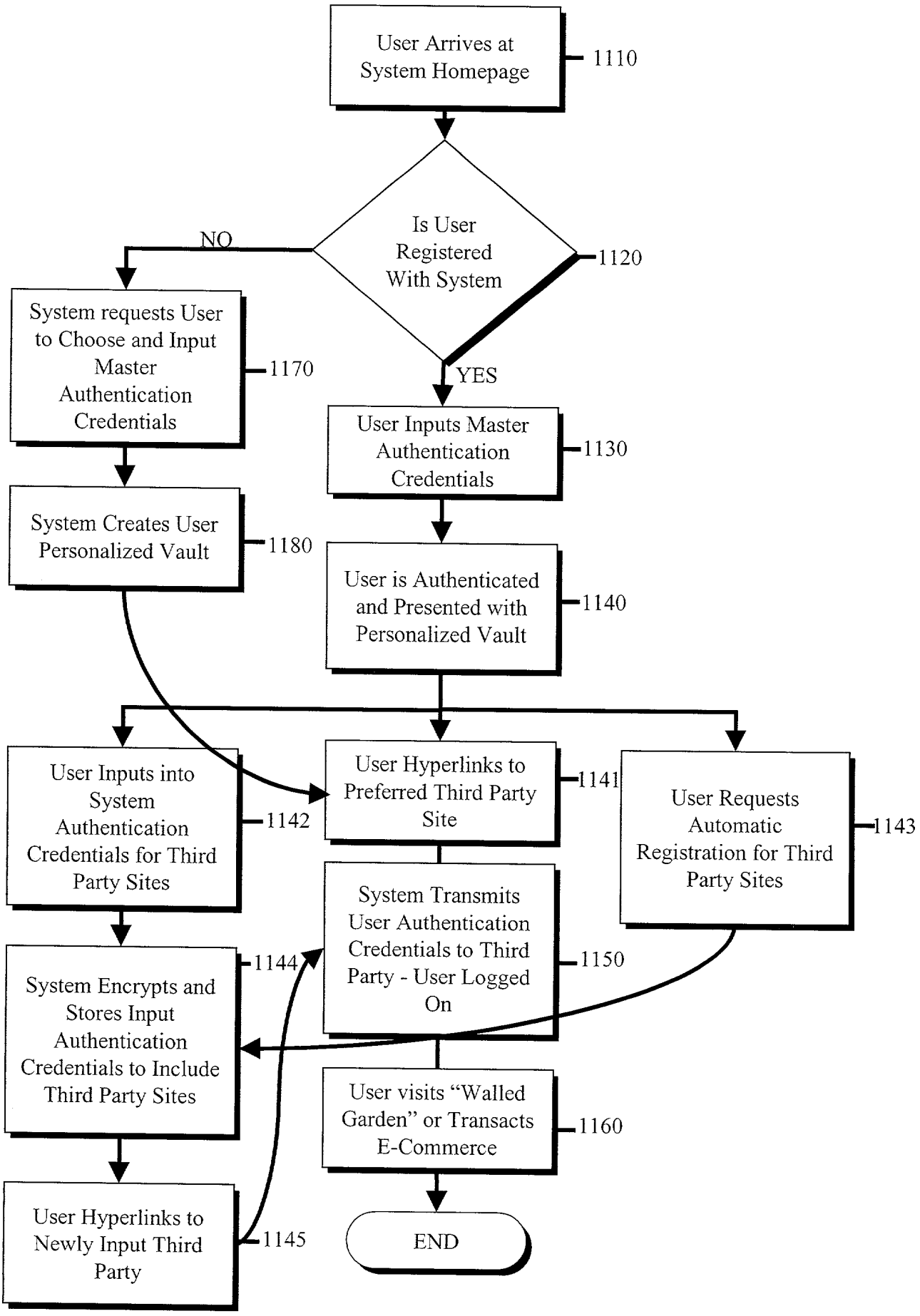

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com
Address
Go Links
Advertise on this site
About uBid.com
How much do you want to save on Brand Name merchandise?
10% 25% 90% Up to 70%
Go!
About
The Human Internet
You are here: About > Membership > Thank You
Member Center
You are logged in as
Click here to logon
Your Options
Email
Click here to create your own About.com email account FREE.
Personal Web Pages
Create a Personal Web Page
Personal Profile
Edit My Information
View My Profile
Join More Sites
Change My Password
Edit My Sites
Help
FAQ'S
Join Us
Email Problem Form
General Problem Form
Welcome to About.com!
MailBear Deals and Offers
Sign up to receive special offers from MailBear, a partner of About com. MailBear keeps you updated by email on products and services of interest to you. Just check the boxes below to start receiving these great offers. After signup, you will receive an email to confirm your subscription. Be sure to reply to this email to continue receiving your newsletters. As always, you can unsubscribe at any time.
Business
Affiliate Programs (website partnering)
Business Opportunities
Debt Consolidation
Entrepreneurs
Investing
Small Business Owners
Tax Preparation
Web Banking
Computer and Internet
Computer Hardware
Hardware/Sofware Deals
Internet Shopping
Web Design and Promotion
Entertainment
Books
Books - Children's Books
Computer Games
Free Stuff
Gambling and Lottery
Movies and Videos
MEMBER SERVICES
CURRENT PROMOTIONS
Special Offers
Online Banking
Find A Member
Link to Us
Internet

940

1010 — The System
BusinessWeek online
TUESDAY, JANUARY 02, 2001
First 100 Days
The early months of Bush's Administration will dish up some critical tests, and America will be watching closely
Artificial Ears
Using nanoscale devices based on hairs -- rather than a membrane -- researchers think they'll hear the sound of a cell growing
Politics
Bush vs McCain, round two
FROM REUTERS
Bush to Meet CEOs to Gauge Economy's Health
U.S. Treasuries Start 2001 with a Bang on Rate Hopes
Apple Computer Cuts Macintosh Prices up to $1,000
AOL Time Warner Grows Out of Dow Internet Index
More Top News from Reuters
MARKET (EST)
Symbol Last Change
Stock Lookup
=Subscribers Only
john's sites
AvantGo
CDnow
Dejanews.com
Epinions.com
Evite
Foodline
Giftcertificates.com
GroupVine
Old Navy
OpenTable
StreamSearch
Yahoo Mail
Managers of the Year
Jan. 8 Table of Contents

FIG. 10

Fig 11


User Arrives at System Homepage
1110
Is User Registered With System
1120
NO
YES
System requests User to Choose and Input Master Authentication Credentials
1170
User Inputs Master Authentication Credentials
1130
System Creates User Personalized Vault
1180
User is Authenticated and Presented with Personalized Vault
1140
User Inputs into System Authentication Credentials for Third Party Sites
1142
User Hyperlinks to Preferred Third Party Site
1141
User Requests Automatic Registration for Third Party Sites
1143
System Transmits User Authentication Credentials to Third Party - User Logged On
1150
System Encrypts and Stores Input Authentication Credentials to Include Third Party Sites
1144
User visits "Walled Garden" or Transacts E-Commerce
1160
User Hyperlinks to Newly Input Third Party
1145
END